



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,848	01/25/2006	Helene Bouilloux-Lafont	11345/063001	7896
22511	7590	10/16/2008	EXAMINER	
OSHA LIANG L.L.P. TWO HOUSTON CENTER 909 FANNIN, SUITE 3500 HOUSTON, TX 77010				ANDRAMUNO, FRANKLIN S
ART UNIT		PAPER NUMBER		
2424				
			NOTIFICATION DATE	DELIVERY MODE
			10/16/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@oshaliang.com
buta@oshaliang.com

Office Action Summary	Application No.	Applicant(s)
	10/533,848	BOUILLOUX-LAFONT ET AL.
	Examiner	Art Unit
	FRANKLIN S. ANDRAMUNO	2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06/26/08.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 12-20 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 12-20 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____.
 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 06/26/08 have been fully considered but they are not persuasive. Applicant argues on page 6 that "Heckerman is not concerned with displaying an advertisement. Rather, the advertisement of Heckerman is already displayed." Examiner cannot agree, figure 2 shows the possible advertisements (210). This means that the advertisements are to be decided.
2. Moreover, applicant argues on page 7, "Heckerman fails to disclose the range of values in exempt of an overlap with ranges of values corresponding to distinct associations containing the determined advertisement space." Looking at the specs, the range of values is interpreted with the number of times that the advertisement is to be displayed as disclosed in figure 2 paragraph 2 of the specs. Heckerman shows in **(page 2 paragraph (0017))** that different ranges of deviation may result in different multiplicative factors for altering a score may be calculated from values in a decision tree and/or maybe user-configurable. In addition, Heckerman shows in **(figure 5 paragraph (0047) lines 1-3)** a score associated with an advertisement may be a numerical value that indicates whether or not an advertisement will be presented to a user. This shows that there is a value calculated in the system for exempting a user from presenting an advertisement.
3. In addition, applicant argues "Heckerman fails to teach or suggest any type of management of the advertisement scores on the broadcast side in a television network." While Heckerman fails to teach a management of the advertisement scores on the

broadcast side in a television network. Harville discloses in (**page 1 paragraph (0003) lines 1-4**) the invention relates to determining the starting and ending times of commercial breaks as well as the starting and ending times of commercials within those commercials breaks, in audiovisual content (a television broadcast).

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 12 is rejected under 35 U.S.C. 102(e) as being unpatentable by

Heckerman et al (US 2003/0229531 A1).

Regarding claim 12, Heckerman discloses a method for using an advertisement in a STB of a television network (**Advertisement (210) in figure 2**), the method comprising: receiving advertisement selection information (**Advertising computer system (260) in figure 2**) for at least one association of a determined advertisement space with a determined advertisement (**Decision Tree (222) in figure 2**), corresponding for each association to a range of values (**Altered scores (223) in figure 2**), the range of values being exempt of an overlap with ranges of values corresponding to distinct associations containing the determined advertisement space, triggering a

selection of an advertisement for the determined advertisement space, generating a random value or a pseudo-random value (**Probability Determination Module (261) in figure 2**), selecting the determined advertisement if the random value or the pseudo-random value falls into the range of values corresponding to the association containing the determined advertisement and the determined advertisement space (**Score Alteration Module (262) in figure 2**), and upon selection of the determined advertisement, using the selected advertisement (**Altering a score (303) in figure 3**).

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
2. Claims 13-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heckerman et al (US 2003/0229531 A1) in view of Harville (2006/0029368 A1).
Hereinafter referred as Heckerman and Harville.

Regarding claims 13, Heckerman discloses a method for using an advertisement according to claim 12, further comprising: computing the value of probability for selecting the determined advertisement for the determined advertisement space (**Mean Response Probability Value in figure 5**) depending on at least a desired number of times that the determined advertisement is to be displayed, broadcasting the value of

probability through the television network. **However, Heckerman fails to teach** that the advertisement depends on the number of times the advertisement is to be displayed. Harvilles teaches on (**page 1 paragraph (0008 lines 18-28)**) the probability models are based on statistics regarding the presence of a commercial at any given time in a set of audiovisual content.

Therefore, it would have been obvious at the time of the invention to modify Heckerman's reference to include a probability to select and advertisement based on the number of times the advertisement will be displayed. This is a useful combination because it provides advertisement companies a more accurate target of viewers.

Regarding claims 14, Heckerman discloses a method for using an advertisement according to claim 13, further comprising: computing the value of probability depending on the desired number of times that the determined advertisement is to be displayed within a determined period of time (**page 2 paragraph (0010) lines 1-7**).

Regarding claims 15-17, Heckerman discloses a method for using an advertisement according to claims 12-14, further comprising: broadcasting the determined advertisement through the television network, retrieving in the STB the determined advertisement on selecting the determined advertisement, displaying the determined advertisement in the determined advertisement space (**Video Adapter (148) in figure 1**).

Regarding claim 18, Heckerman discloses a method for using an advertisement in a STB according to claim 12, further comprising: storing the determined advertisement in the STB (**Hard Disk Drive Interface (132) in figure 1**).

Regarding claim 19, Heckerman discloses a method for obtaining advertisement selection information on a broadcast side in a television network (**Possible Advertisement (210) in figure 2**), the advertisement selection information comprising values of probabilities, the method comprising: determining for a determined advertisement a final number of selections respectively for each one of one or a plurality of advertisement spaces (**Determining a response probability (302) in figure 3**), converting the obtained one or plurality of final numbers of selections into values of probabilities for selecting the determined advertisement in the respective one or plurality of advertisement spaces, broadcasting the one or plurality of values of probabilities for selecting the determined advertisement (**Altering a score associated with each of the possible advertisements (303) in figure 3**).

Regarding claim 20, Heckerman discloses a method for obtaining an advertisement selection probability according to claim 19, further comprising: computing for the determined advertisement the final number of selections respectively for each one of the one or the plurality of advertisement spaces (**determining a response probability (320) in figure 3**), depending on a predetermined number of times for displaying the determined advertisement (**Construct commercial breaks based on the adjusted scores and relationships among candidate times (104) in figure 1 (Harville)**).

Conclusion

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN S. ANDRAMUNO whose telephone number is (571)270-3004. The examiner can normally be reached on Mon-Thurs (7:30am - 5:00pm) alternate Fri off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (571)272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chris Kelley/
Supervisory Patent Examiner, Art
Unit 2623